unitech

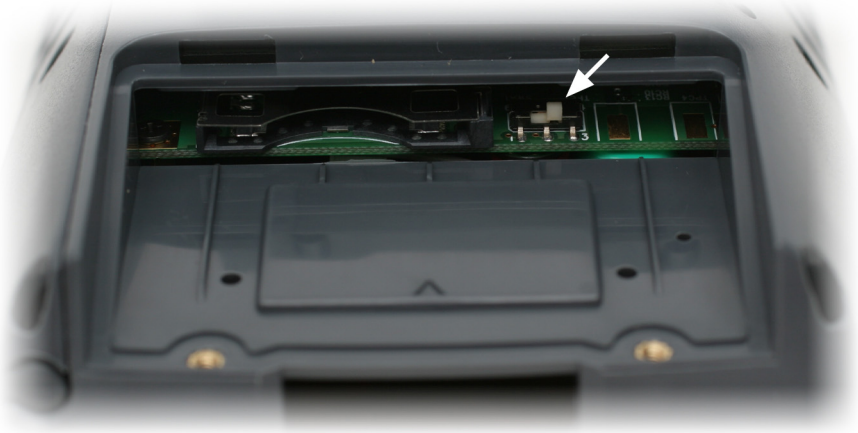
PA970

QuickStart Guide

* For the latest and most up-to-date information and downloads, please visit www.ute.com.

IMPORTANT

The PA970's Backup Battery arrives to the customer switched off. Before charging the PA970, the Backup Battery must be switched ON in order to avoid accidental data loss.



Open the SD Compartment and flip the white switch toward the stylus slot.

This procedure is again covered in the "Charging the PA970" section, later in this guide.

Laser Scanner

The Unitech PA970 is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 825-1. Class II and Class 2 products are not considered to be hazerdous. The PA970 contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance, or during prescribed service operations.

CAUTION - The use of controls or adjustments or performance of proceduyres other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner will increace eye hazard. Optical instruments include binoculars, microscopes, and magnifying glasses. This does not include eye glasses worn by the user.
The laser safety warning label required by the DHHS/IEC for the PA970's optional laser scanner module is located on the memory compartment cover, on the back of the unit.

FCC Statement

FCC ID: HLEPA970

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interferance, and
2. this device must accept any interferance received, including interferance that may cause undesired operation.

Troubleshooting

If the screen is blank or the unit fails to turn on, charge the battery for 16 hours. If the battery is fully charged and the unit still fails to turn on, reboot the device by inserting the end of an unfolded paper clip (or other similar blunt-ended pin) in the reset hole.

Service and Support

http://www.ute.com

1 (800) 861-8648

Notes

Power Status

Check Battery Status

On the Main Screen click *Power*. Under the *Battery* tab you will see the status of the main and backup batteries with three types of indicators - “Good”, “Low”, and “Very Low”, with bold text indicating the actual status.

It is necessary to charge the PA970 when “Low” or “Very Low” are displayed. If “Low” or “Very Low” are still displayed after charging, please contact Unitech Technical Support.

Four different icons are displayed on the PA970’s status bar (bottom of the screen) to indicate on-board power status:

When no icon is displayed there is no external power supply to the PA970, but its battery power is good.

The plug icon indicates that the PA970 is charging from an external source: either the 12VDC Power Adapter or the Charging Cradle.

The “Battery Low” icon indicates that the battery is low and needs charging.

The “Battery Very Low” icon indicates that the PA970’s operation should be stopped and the batteries charged immediately.

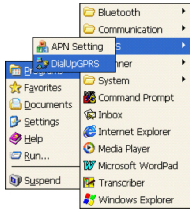
The “Backup Battery Low” icon indicates that the backup battery is low and needs charging.

The “Backup Battery Very Low” icon indicates that the PA970’s operation should be stopped and the backup batteries charged immediately.

GPRS, WLAN, and Bluetooth

GPRS Setup

1. Under *Program Files* select *GPRS*. Click *DialUpGPRS*.



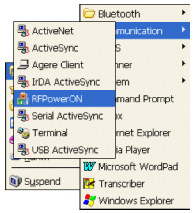
2. Select GPRS @ 115200. Click “OK”.

3. GPRS Connected

Note: Please install the SIM card before powering on GPRS. (Remove the battery cover and battery pack to access the SIM compartment.

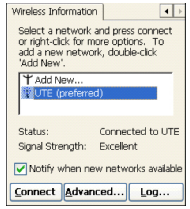
WLAN Setup

1. Under *Program Files* select *Communication*. Click *RFPowerOn.*



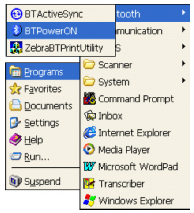
2. Select *RF Wireless Card Power ON* and click OK.

3. Under Wireless Information select AP, then set the wireless properties. Then click OK.

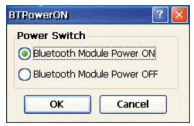


Bluetooth Setup

1. Under *Program Files* click *Bluetooth*. Select *BTPowerOn.*



2. Select *Bluetooth Module Power ON*. CLick OK.



Note: For ActiveSync via Bluetooth, please refer to the PA970 User’s Manual for detailed instructions.

Introduction

Thank you for choosing Unitech’s PA970. Your PA970 is a rugged and compact mobile computer for data collection via keypad built-in bar code scanner, capable of wireless communication via built-in Bluetooth, 802.11b, and GPRS. This Quick Reference Guide will briefly guide you through the PA970’s main functions and features.

Unitech PA970 and Accessories

Please make sure the following items are present:

- Unpack the box and save the packaging in the event the unit needs to be stored or returned to Unitech for service.
- Check the unit for shipping damage. If anything is missing or damaged, notify your Unitech Sales Representative.

Tour of the Unitech PA970

Installing the Battery

CAUTION - Please turn off the terminal before removing the main battery. Improper installation of the rechargeable battery pack can cause the metal clips in the battery compartment to bend and/or break. Carefully read and follow the battery pack installation procedure below.

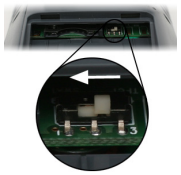
1. Remove the battery compartment door (located on the lower back side of the unit) by rotating the compartment latches outward.

2. Position the battery with the battery connectors towards the right side of the compartment, facing downwards. Insert and fully seat the battery pack, making sure the shape of the battery pack fits the shape of the battery compartment.

3. Close the battery compartment door. Push the latches down and flip them inward.

Charging the PA970 ⑤

NOTE: The PA970's Backup Battery arrives to the customer switched off. Before charging the PA970, the Backup Battery must be switched ON in order to avoid accidental data loss. Open the SD Compartment and flip the white switch toward the stylus slot.



Connect the Charging Cable (RS232 or USB) to the PA970, and then connect the AC Adapter to the cable's power jack and electrical outlet.

Or place the PA970 into the Docking Station (after connecting the Docking Station to the AC Adapter).

16 hours of charging are required to initially charge the empty Backup Battery to insure proper backup.

CAUTION: Operating the PA970 without fully charging the Backup Battery may result in loss of data stored in RAM.

RECYCLE LITHIUM-ION BATTERIES.
DO NOT DISPOSE OF IN TRASH.

Initial Operation ⑥

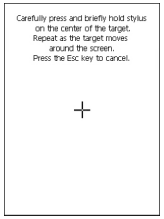
Note: Your Unitech PA970 is shipped with a protective film covering the display. This film may be left in place to protect the screen from scratches, but this will slightly reduce the clarity and contrast of the screen image. If you choose to remove the protective film, do so by peeling it from one corner.

Note: Make sure the unit is fully charged before turning it on.

Pressing the ON / OFF Key
The Unitech PA970 welcome screen appears.
The Windows CE® appears shortly thereafter.

Adjusting Screen Brightness
Press the [FUNC] key and the Cursor key to increase or decrease screen brightness.

Calibrating the PA970
The first time the PA970 is powered on, or after it's been reset, the calibration screen to the right appears. This screen can also be accessed at any time by pressing the [FUNC] and [Esc] keys.


Carefully press and briefly hold stylus on the center of the target. Repeat as the target moves around the screen. Press the Esc key to cancel.

The PA970 will prompt you to calibrate the unit by tapping a sequence of screen locations. Tap gently but firmly. When you have completed the series of taps, press the [Enter] key to confirm, or press the [ESC] key to cancel.

Setting Time Zone, Date, and Time ⑦

After calibrating the PA970, the Date/TIme Properties dialog box will appear. Follow the steps below to set the date and time.

Setting the Time Zone First
Follow the steps below to set up your time zone:

1. Tap the location arrow to see a list of cities
2. Choose your location or one in your time zone
3. Check the Daylight Savings Time box if applicable
4. Tap the apply button

Setting Year and Month

Tap the left or right arrows to scroll the month.

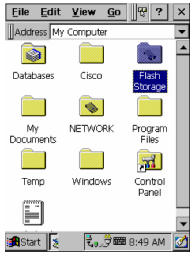
Tap the up and down arrows to scroll the year.

Or, tap the year and month directly to change their settings.

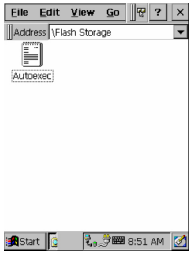
Exiting Date / Time Properties Settings
Tap OK to affirm or X to cancel and exit.

Flash Storage ⑧

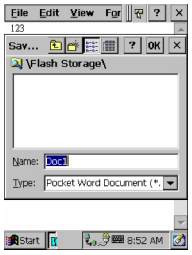
Flash Storage is a re-writable location in which to store up to 64MB of data and program files. The benefit of this feature is that files and programs saved in Flash Storage are unaffected by the PA970's power status.



To access the contents of Flash Storage, simply select *My Computer* on the desktop and then select *Flash Storage*. The programs and data files currently stored in Flash Storage will be displayed.



To save to Flash Storage, select *File, Save To*, and select *Flash Storage* just like you would select any other storage medium.



Using the Keypad ⑨

Keypad
The PA970 keypad contains 19 keys, which includes 0 - 9 numbers, Cursor, Alpha, On/Off, Function, Escape, Backspace, and Enter keys.

When the PA970 is off, pressing the On/Off key will turn the unit on. Alternatively, when the unit is on, this key must be pressed down for about two seconds in order to turn the unit off.

ESC The Escape key performs the same function as tapping the CANCEL or X button on the touch screen.

The Backspace key is used to erase previously input characters.

FUNC The Function key is used to perform alternative key functions.

TAB The Tab key is used to toggle between data fields or to place the cursor at pre-determined places in a programming or word processing application.

ENT The Enter key is used to initiate a process or confirm a selection made by the user. ⑩

[Cursor] The Cursor key is used to navigate amont the applications.

alpha The Alpha key is used to toggle between numeric and alpha mode. The Alpha key is also used to toggle between upper and lower case while in alpha mode.

Alpha Key
When the PA970 boots, the default condition is numeric mode on. After toggling to alpha mode, the default condition is Caps off (lower case).

Alpha Mode Press alpha to enter alpha mode. The default condition is Caps off.

Caps Press the alpha key twice to toggle Caps.

Key In Press Cursor-Up to enter selected character.

Useful Hotkeys
The PA970 provides eight combination hotkeys to activate specified screen setting functions or programs, listed below. Press and hold the [FUNC] key in combination with the corresponding second key.

[FUNC] + [ESC]	Check stylus properties and re-calibrate the PA970's touch screen.
[FUNC] + ◐	Increase screen brightness.
[FUNC] + ◑	Decrease screen brightness.
[FUNC] + [TAB]	Toggle screen and keypad backlight.
[FUNC] + [6]	Task manager
[FUNC] + [7]	Scanner Setting.exe
[FUNC] + [8]	Scanner Setting utility
[FUNC] + [9]	System information
[FUNC] + [0]	Space
[FUNC] + △	Increase keypad brightness.
[FUNC] + ▽	Decrease keypad brightness.

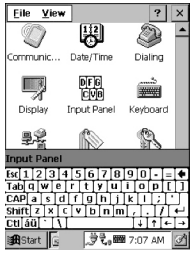
Software Keyboard (Windows CE Keyboard) ⑪

Since the PA970's keypad allows input of numeric characters only, Windows CE software provides a touch-screen keyboard for input of other characters. The Windows-based keyboard replicates the layout of a standard PC keyboard.

Opening the Windows CE Keyboard
The Windows CE keyboard can be opened by tapping the keyboard icon on your task bar.

Keying in Characters
Once the Windows CE keyboard appears, character input is similar to that of a standard PC. Simply tap the on-screen key corresponding to the character you want to input.

International Character Support
Tap the [áü] button to toggle between the standard English keyboard and the European keyboard.



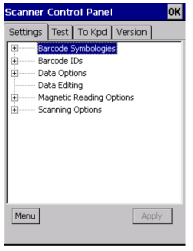
Moving the Keyboard
Use the stylus to point to the title bar (the bar displaying "Input Panel"), and move the stylus without lifting it from the screen.

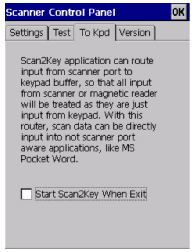
Closing the Keyboard
Tap the keyboard icon to close the Windows CE keyboard.

Using the Laser Scanner ⑫

The PA970 has an integrated laser scanner, which reads all major bar code types with excellent performance. Trigger keys are located on the left and right sides of the unit. Press either one to activate the laser scanner.

The PA970 also has a built-in Scanner Setting.exe program that allows the user to test the bar code scan function. Scanner Setting.exe is located in the directory \Windows\Control and is also accessible by shortcut via *Setting\Control* on the Start menu.




Scanner Control Panel
OK
Settings
Test
To Kpd
Version
Scan2Key application can route input from scanner port to keypad buffer, so that all input from scanner or magnetic reader will be treated as they are just input from keypad. With this router, scan data can be directly input into not scanner port aware applications, like MS Pocket Word.
Start Scan2Key When Exit

Note: Reading software must be enabled in order to operate the scanner. This can be a user-loaded application or a pre-loaded utility such as Scanner Setting.exe.